

AMENDMENTS TO THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A UV sunscreen composition suitable for cosmetic use, which comprises:
 - (i) an ingredient which is adversely affected by UV light in the presence of a metal oxide selected from TiO_2 , ZnO , and mixtures thereof, and which ingredient is selected from (a) a UV sunscreen agent, (b) a polymer or molecule having ethylenic unsaturation, an amide linkage, an ester linkage, a chlorine atom or a tertiary hydrogen atom, and (c) a light stabiliser;
 - (ii) a doped metal oxide ~~selected from (a), which is~~ TiO_2 doped with a dopant element; ~~(b) ZnO doped with a dopant element, (c) reduced ZnO and (d) mixtures of two or more thereof; and~~
 - (iii) an undoped and non-reduced metal oxide selected from TiO_2 , ZnO and mixtures thereof.
2. (Canceled)
3. (Previously presented) A composition according to claim 1 wherein the dopant element is selected from manganese, vanadium, chromium and iron.
4. (Previously presented) A composition according to claim 3 wherein the dopant element is manganese in the form Mn^{3+} .
5. (Previously presented) A composition according to claim 1 wherein the dopant element is present in the doped metal oxide in an amount from 0.05% to 10 mole %.

6. (Previously presented) A composition according to claim 5 wherein the dopant element is present in the doped metal oxide in an amount from 0.5 to 2 mole %.

7. (Canceled)

8. (Previously presented) A composition according to claim 1 ~~[[7]]~~ wherein the titanium dioxide is in rutile form.

9. (Canceled)

10. (Currently amended) A composition according to claim 1 wherein at least one material selected from the doped ~~or-reduced~~ metal oxide (ii), and the undoped and non-reduced metal oxide (iii) is coated with an inorganic or organic coating.

11. (Currently amended) A composition according to claim 1 which comprises 0.5 to 20% by weight of the doped ~~or-reduced~~ metal oxide.

12. (Currently amended) A composition according to claim 1 wherein the doped ~~or-reduced~~ metal oxide has a particle size from 1 to 100 ~~[[200]]~~ nm.

13. (Currently amended) A composition according to claim 1 wherein the doped ~~or-reduced~~ metal oxide has a particle size from 100 to 500 nm.

14.-16. (Canceled)

17. (Previously presented) A composition according to claim 1 which contains a UV sunscreen agent which is adversely affected by undoped and non-reduced metal oxide (iii).

18. (Currently amended) A composition according to claim 17 wherein the UV sunscreen agent is an organic sunscreen agent selected from (a) a paraaminobenzoic acid (PABA), ester or derivative thereof selected from amyldimethyl-; ethyldihydroxypropyl-; ethylhexyl dimethyl-; ethyl-; glyceryl-; and 4-bis-(polyethoxy)-PABA, (b) a methoxy cinnamate ester, (c) a benzophenone, (d) a dibenzoylmethane dibenzylomethane, (e) an alkyl- β,β -phenyl acrylate, (f) a triazine, (g) a camphor derivative selected from 4-methylbenzylidene-camphor; 3-benzylidene-camphor; terephthalylidene dicamphor sulphonic acid; benzylidene camphor sulphonic acid; camphor benzalkonium methosulphate camphor and polyacrylamidomethyl benzylidene camphor, (h) an organic pigment, (i) a silicone based sunscreen agent, which is dimethicodiethyl benzal malonate, and (j) 2-phenylbenzimidazole-5 sulphonic acid, phenyldibenzimidazole sulphonic acid or salts thereof.

19.-20. (Canceled)

21. (Currently amended) A composition according to claim 1 [[14]] which comprises 0.1% to 20% by weight of at least one organic sunscreen agent.

22. (Currently amended) A composition according to claim 1 [[15]] which contains one or more of a fatty substance, organic solvent, silicone, thickener, demulcent, UVB sunscreen agent, antifoaming agent, moisturising agent, perfume preservative, surface activation filler, sequestrant, anionic, cationic, nonionic or amphoteric polymer, propellant, alkalisng or acidifying agent, colorant, metal oxide pigment, vitamin, antioxidant, anti-ageing factor and stabilizer.

23. (Canceled)

24. (Currently amended) A composition according to claim 1 [[15]] which is in the form of a lotion, gel, dispersion, cream, milk, powder or solid stick.

25. (Currently amended) A composition according to claim 1 ~~[[14]]~~ which comprises a water-dispersible form of the doped ~~or-reduced~~ metal oxide and an oil-dispersible form of the doped ~~or-reduced~~ metal oxide.

26.-29. (Canceled)

30. (Currently amended) A composition according to claim 1 ~~[[26]]~~ wherein the polymeric material is thermoplastic.

31. (Currently amended) A composition according to claim 1 ~~[[26]]~~ wherein the polymeric material is thermosetting.

32.-36. (Canceled)

37. (Previously presented) A composition according to claim 1 wherein the ingredient which is adversely affected by the undoped and non-reduced metal oxide (iii) is an ethylenically unsaturated compound or one possessing a labile hydrogen atom.

38-44. (Canceled)

45. (Previously presented) A composition according to claim 10 wherein the inorganic coating is an oxide of aluminium, zirconium or silicon.

46. (Currently amended) A composition according to claim 1 wherein the undoped and non-reduced metal oxide (iii) has a particle size of ~~at least~~ 100 nm to 20000 nm.

47. (Previously presented) A composition according to claim 10 wherein the organic coating is one or more of an organic material selected from a polyol, an amine, an alkanolamine, a polymeric organic silicon compound, a hydrophilic polymer, a surfactant, and mixtures of two or more thereof.

48. (New) A polymeric composition which comprises:
- (i) an ingredient which is adversely affected by UV light in the presence of a metal oxide selected from TiO_2 , ZnO , and mixtures thereof, and which ingredient is selected from (a) a UV sunscreen agent, (b) a polymeric material or molecule having ethylenic unsaturation, an amide linkage, an ester linkage, a chlorine atom or a tertiary hydrogen atom, and (c) a light stabiliser;
 - (ii) a doped metal oxide, which is TiO_2 doped with a dopant element; and
 - (iii) an undoped and non-reduced metal oxide selected from TiO_2 , ZnO and mixtures thereof;
- wherein the doped metal oxide has a particle size from 1 to 100 nm.
49. (New) A composition according to claim 48 that comprises one or more polymeric materials, wherein at least one of the polymeric materials is thermoplastic.
50. (New) A composition according to claim 48 that comprises one or more polymeric materials, wherein at least one of the polymeric materials is thermosetting.
51. (New) A composition according to claim 48 which is in the form of a three dimensional article.
52. (New) A composition according to claim 48 which is in the form of a film.
53. (New) A composition according to claim 48 which is in the form of a photographic film.
54. (New) A composition according to claim 48 which is in the form of a coating composition.
55. (New) A composition according to claim 54 which is in the form of a paint or varnish.

56. (New) A composition according to claim 48 wherein the dopant element is selected from manganese, vanadium, chromium and iron.
57. (New) A composition according to claim 56 wherein the dopant element is manganese in the form Mn^{3+} .
58. (New) A composition according to claim 48 wherein the dopant element is present in the doped metal oxide in an amount from 0.05% to 10 mole %.
59. (New) A composition according to claim 48 wherein the titanium dioxide is in rutile form.
60. (New) A composition according to claim 48 wherein the undoped and non-reduced metal oxide (iii) has a particle size of from 100 nm to 20000 nm.